

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 2003/089146 A1

(51) International Patent Classification⁷: **B04B 1/20**

CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NL, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/DK2003/000235

(22) International Filing Date: 9 April 2003 (09.04.2003)

(25) Filing Language: Danish

(26) Publication Language: English

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:

PA 2002 00598 22 April 2002 (22.04.2002) DK

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Published:

— with international search report

(48) Date of publication of this corrected version:

15 April 2004

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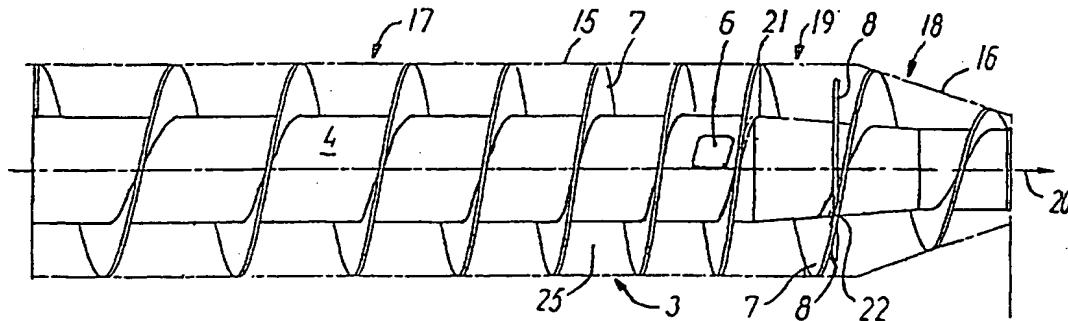
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(15) Information about Correction:

see PCT Gazette No. 16/2004 of 15 April 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A DECANTER CENTRIFUGE



(57) Abstract: The decanter centrifuge comprises a screw conveyor having a body (4), which carries a screw comprising one or more flights (7, 7') and having a nominal transport speed varying along the longitudinal axis. An inlet (6) is provided in the screw conveyor for the material to be separated. The screw conveyor is provided with a baffle (8, 8') dividing the separation chamber in a substantially cylindrical separation part (17) and an at least partially conical discharge part (18). Immediately upstream of the baffle (8, 8') a transition part (19) is provided between the separation part (17) and the discharge part (18), the screw conveyor (3) having a bigger nominal transport speed in the transition part (19) than in the separation part (17) immediately before the transition part (19), the change of the nominal transport speed being established by a change (21) of the screw pitch.

WO 2003/089146 A1